

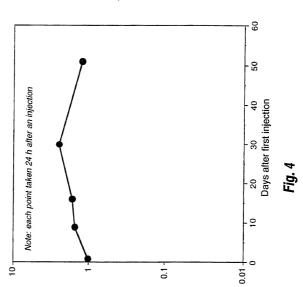
Serum Uric Acid, mg/dl

3/18

Serum Uricase Activity, U/ml

WO 00/08196 PCT/US99/17678





Serum Uricase Activity, relative to initial activity

Fig. 5

Deduced Amino Acid Sequences of Pig-Baboon Chimeric Uricase (PBC Uricase)

and Porcine Uricase Containing the Mutations R291K and T301S (PKS Uricase),
Compared with the Porcine and Baboon Sequences

Porcine	MAHYRNDYKK NDEVEFVRTG	YGKDMIKVLH	IQRDGKYHSI	40
PBC	1-225 porcine sequence	→	_	
120	•			
PKS	1-288 porcine sequence	→		
Baboon	MADYHNNYKK NDELEFVRTG	YGKDMVKVLH	IQRDGKYHSI	40
	KEVATSVOLT LSSKKDYLHG	DNSDVIPTDT	IKNTVNVLAK	80
Porcine PBC	porcine sequence →	DRSDVIFIDI	TIGHT VIEV DEAL	00
PBC	portrac sequence .			
PKS	porcine sequence →			
Baboon	KEVATSVOLT LSSKKDYLHG	DNSDIIPTDT	IKNTVHVLAK	80
Porcine	FKGTKSIETF AVTICEHFLS	SFKHVIRAOV	YVEEVPWKRF	120
PBC	porcine sequence →	Di taiv Liaig v		
FBC	porcine reducine			
PKS	porcine sequence →			
Baboon	FKGIKSIEAF GVNICEYFLS	SFNHVIRAQV	YVEEIPWKRL	120
	EKNGVKHVHA FIYTPTGTHF	CEVEOIRNGP	PVIHSGIKDL	160
Porcine PBC	EKNGVKHVHA FIYTPTGTHF porcine sequence →	CEARGITAGE	LVINDCINDD	100
PBC	porcine sequence ,			
PKS	porcine sequence →			
Baboon	EKNGVKHVHA FIRTPTGTHF	CEVEQLRSGP	PVIHSGIKDL	160
Porcine	KVLKTTOSGF EGFIKDQFTT	LPEVKDRCFA	TOVYCKWRYH	200
PBC	porcine sequence →	DI LVIIDICI II		
FBC	poreine bequence .			
PKS	porcine sequence →			
Baboon	KVLKTTOSGF EGFIKDOFTT	LPEVKDRCFA	TQVYCKWRYH	200
Porcine	OGRDVDFEAT WDTVRSIVLQ	KFAGPYDKGE	YSPSVQKTLY	240
PBC	porcine sequence	→ ← ba	boon sequence	•
	•	•		
PKS	porcine sequence →			
Baboon	QCRDVDFEAT WGTIRDLVLE	KFAGPYDKGE	YSPSVQKTLY	240
Porcine	DIQULTLGQV PEIEDMEISL	PNIHYLNIDM	SKMGLINKEE	280
PBC	baboon sequence →			
PKS	porcine sequence →	PNIHYFNIDM	SKMGLINKEE	280
Baboon	DIQVLSLSRV PEIEDMEISL	PNIHYFNIDM	SKEGLINKEE	200
Porcine	VLLPLDNPYG RITGTVKRKL	TSRL		
PBC	baboon sequence →	304		
PKS	porcine	9-304		
Baboon	VLLPLDNPYG KITGTVKRKL	SSRL		